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recherche



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Eingang bei ZPL

10. JUN. 2003

Term.  
Bearb. 10.06.2003

Datum/Date

11.06.03

Zeichen/Ref./Réf. 114 065	Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°. 03290364.3-2416
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Evolium S.A.S.	

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

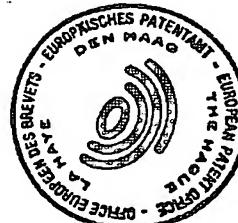
The following specifications given by the applicant have been approved by the Search Division:

abstract

title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 12



## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 2002/141512 A1 (BLANKE GERO) 3 October 2002 (2002-10-03) * page 1, left-hand column, line 23 – page 3, right-hand column, line 46 * * figure 2 * ---	1-10	H04Q7/30
X	GB 2 315 622 A (NIPPON ELECTRIC CO) 4 February 1998 (1998-02-04) * page 13, line 1 – page 24, line 26 * * figure 2 * ---	1,6-10	
A	EP 0 652 644 A (NIPPON ELECTRIC CO) 10 May 1995 (1995-05-10) * column 4, line 2 – column 8, line 14 * ---	1-10	
A	WO 00 25440 A (NOKIA NETWORKS OY ;POSTI HARRI (FI)) 4 May 2000 (2000-05-04) * page 2, line 27 – page 11, line 13 * ---	1-10	
A	US 6 400 966 B1 (TEDER PAUL ET AL) 4 June 2002 (2002-06-04) * the whole document * ---	1-10	<p>TECHNICAL FIELDS SEARCHED (Int.Cl.7)</p> <p>H04Q H04L</p>
The present search report has been drawn up for all claims			
3	Place of search	Date of completion of the search	Examiner
	MUNICH	23 May 2003	Oteo Mayayo, C
CATEGORY OF CITED DOCUMENTS			
<p>X : particularly relevant if taken alone      Y : particularly relevant if combined with another document of the same category      A : technological background      O : non-written disclosure      P : intermediate document</p> <p>T : theory or principle underlying the invention      E : earlier patent document, but published on, or after the filing date      D : document cited in the application      L : document cited for other reasons      &amp; : member of the same patent family, corresponding document</p>			

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 29 0364

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

23-05-2003

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2002141512	A1	03-10-2002	DE CN EP JP	10115610 A1 1379605 A 1246484 A2 2002319920 A	02-10-2002 13-11-2002 02-10-2002 31-10-2002
GB 2315622	A	04-02-1998	JP BR CN KR	10041857 A 9702642 A 1175872 A ,B 255892 B1	13-02-1998 30-06-1998 11-03-1998 01-05-2000
EP 0652644	A	10-05-1995	JP JP EP US	2576388 B2 7131845 A 0652644 A2 5590404 A	29-01-1997 19-05-1995 10-05-1995 31-12-1996
WO 0025440	A	04-05-2000	FI AU CN EP WO JP NO	982300 A 1048300 A 1287722 T 1042872 A1 0025440 A1 2002528994 T 20003257 A	24-04-2000 15-05-2000 14-03-2001 11-10-2000 04-05-2000 03-09-2002 22-06-2000
US 6400966	B1	04-06-2002	AU AU CA CN EP JP WO	753670 B2 9469998 A 2305156 A1 1299568 T 1021922 A1 2001519635 T 9918744 A1	24-10-2002 27-04-1999 15-04-1999 13-06-2001 26-07-2000 23-10-2001 15-04-1999



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## ABSTRACT / ZUSAMMENFASSUNG / ABREGE

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The present invention relates to a mobile communication base station apparatus comprising a plurality of radio transmission and/or reception sections (20) and a plurality of baseband processing sections (21) comprising a user data stream interface, such that the plurality of baseband processing sections (21) is divided into stages (16a,17a,17b,17c), arranged in a first stage (16,16a) and further stages (17,17a,17b,17c), where each stage (16a,17a,17b,17c) comprising at least one baseband processing section (21), and each baseband processing section (21) of the further stages (17a,17b,17c) is connected with at least one baseband processing unit (21) in any preceding stage, such that the baseband processing sections (21) are multistage-connected to the first stage (16a) of the baseband processing sections (21), the radio transmission and/or reception sections (20) are connected to baseband processing sections (21), and where each baseband processing section (21) comprises adding means, dropping means, and/or routing means for extraction and injection of baseband data streams and/or routing the data streams through the stages (16a,17a,17b,17c). The invention further relates to a baseband processing section (21).